



TELEDYNE LECROY
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Teledyne LeCroy PSG Products

License Installation Manual

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Teledyne LeCroy Protocol Solutions Group

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Teledyne LeCroy
3385 Scott Blvd.
Santa Clara, CA 95054
TEL: 800-909-7112 (USA and Canada)
TEL: 408-653-1260 (worldwide)

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Chapter 1

License Installation

Protocol Solutions Group systems provide an extensive and wide set of functionality as part of the basic configuration of our products. Certain capabilities and features, however, need to be enabled through license keys that are provided by Teledyne LeCroy.

PSG employs two types of licensing mechanisms: 1) hardware licensing, and 2) software licensing. Some products use only hardware licensing, some use only software licensing, and some may use both.

The hardware license key is an encrypted proprietary binary file bound to a specific PSG hardware unit serial number. When the hardware license key is loaded into the specified hardware unit, it unlocks and enables the appropriate functionality.

The software license key is an encrypted file bound to the Ethernet MAC address of the system where the PSG software application is running. The software license key may also be bound to a license server that would enable multiple clients on the network to access the license.

To enable one or more features that require a license, you need to obtain a new license key file from PSG sales: protocolsales@teledynelecroy.com.

Upon receipt of the license key, you must use the respective PSG product's software application to load the license key and enable the features.

The remainder of this document will describe the procedure for updating hardware licenses for the following products:

- ❑ DDR Protocol Suite (see [“DDR Protocol Suite” on page 4](#)).
- ❑ FC Protocol Suite (see [“FC Protocol Suite” on page 6](#)).
- ❑ Net Protocol Suite (see [“Net Protocol Suite” on page 8](#)).
- ❑ PETracer (see [“PETracer” on page 11](#)).
- ❑ SAS/SATA Protocol Suite (see [“SAS/SATA Protocol Suite” on page 15](#)).
- ❑ USB Protocol Suite (see [“USB Protocol Suite” on page 18](#)).

IOTA Software Suite uses software licensing. Please refer to the document *Teledyne LeCroy Software Licensing Guide* for full details on software licensing.

DDR Protocol Suite

Perform the following steps to update the License:

1. Connect the Kibra system, for which you have purchased the feature upgrade license, to the host machine.
 - a. Connect the provided 12V DC power adapter to the rear of the Analyzer, and then plug the power adapter into a 100-volt to 240-volt, 50-Hz to 60-Hz, 100-W power outlet.
 - b. Connect the USB port to a USB port on the host machine using a USB cable.
 - c. To start the software select **Start > All Programs > LeCroy > DDR Protocol Suite**.
 - d. Turn on the power switch. At power on, the analyzer will go through initialization.
2. Update the license key for the system.
 - a. From the Help menu select **Update License** to display the Analyzer Devices window (see [Figure 1.2](#)).

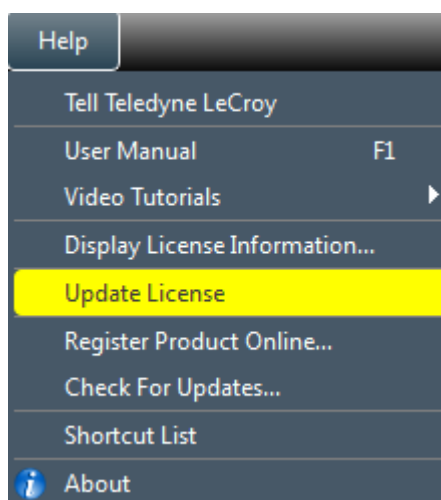


Figure 1.1: Update License

- b. Click the device so it displays in blue.

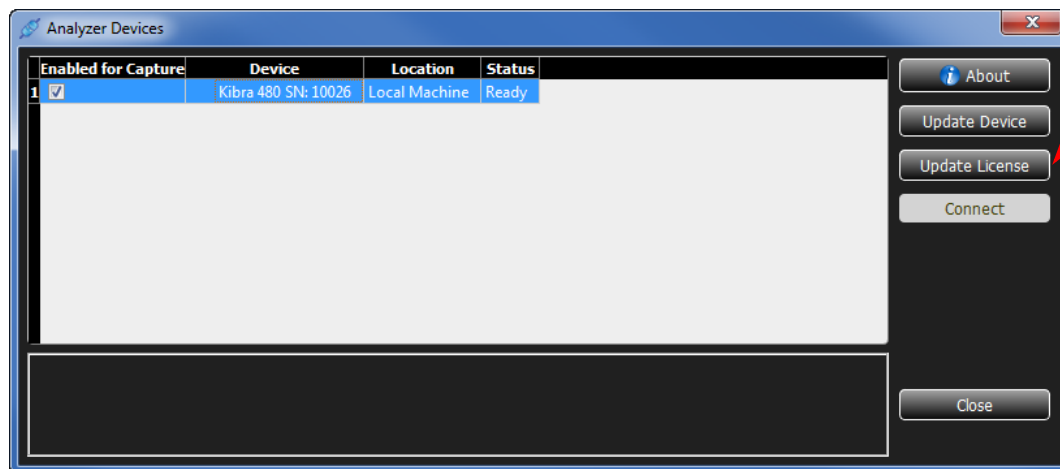


Figure 1.2: Analyzer Devices Window

- c. Click **Update License** to display the Select License Key File window (see [Figure 1.3](#)).
- d. Select the License Key file and click **Open**.
The License Key is updated.

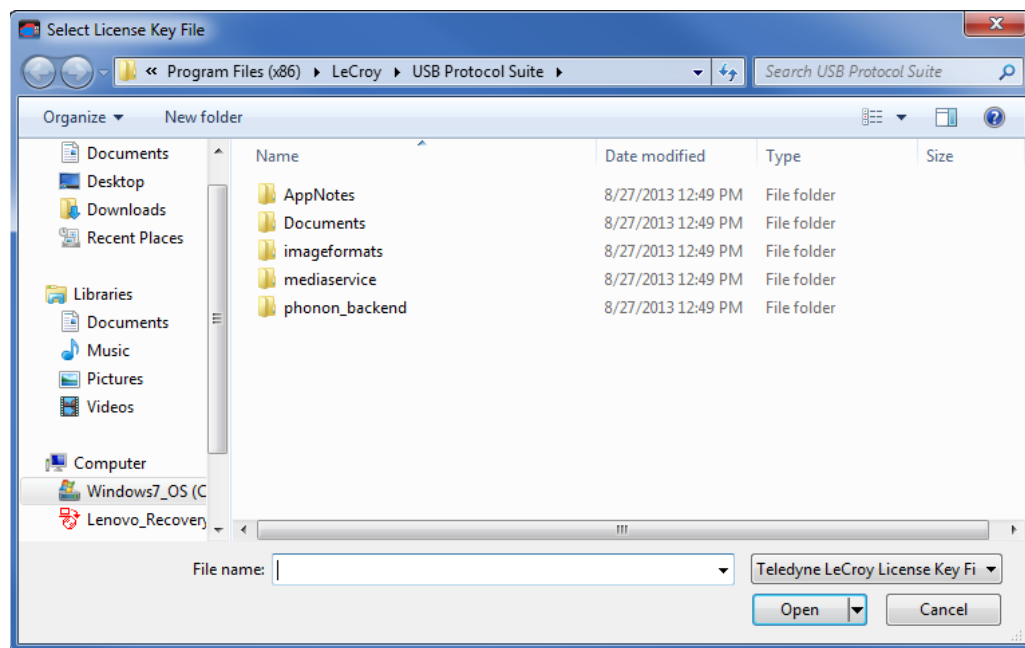


Figure 1.3: Select License Key File Window

Please see the *DDR Protocol Suite User Manual* on the installation CD-ROM for more information.

FC Protocol Suite

Perform the following steps to update the License:

1. Connect the Analyzer, for which you have purchased the feature upgrade license, to host machine.
 - a. Connect the Analyzer to a 100-volt to 240-volt, 50 Hz to 60 Hz, 120 W power outlet.
 - b. Connect the USB port to a USB port on the host machine using a USB cable.

Note: You can also connect using an Ethernet connection.

- c. To start the software select **Start > All Programs > LeCroy > FC Protocol Suite**.
- d. Turn on the power switch. At power on, the Analyzer will go through initialization.
- e. Skip to step 2 to update the license via USB. If updating via Ethernet, follow steps f through k and then proceed to step 2.
- f. Click on **Configuration > All Connected Devices**.

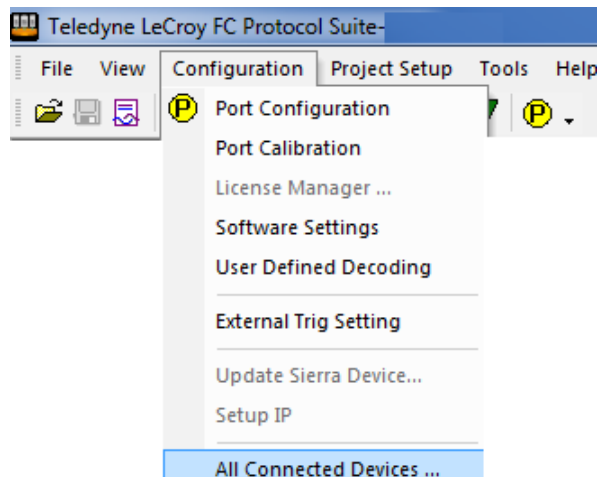


Figure 1.4: Configuration Menu

- g. The Select Device window displays (see [Figure 1.5 on page 7](#)).
- h. Select the device you want to upgrade and click **Connect** to display the Connection properties window (see [Figure 1.5 on page 7](#)).
- i. Specify one of the actions from the following:
 - Automatically connect to the device
 - Ask if I want to connect to the device
 - Take no action

If 'Automatically connect to the device' is selected, the next time the application opens the device will be automatically connected.
- j. Click **OK**.
- k. Click **Close** to close the Select Device window.

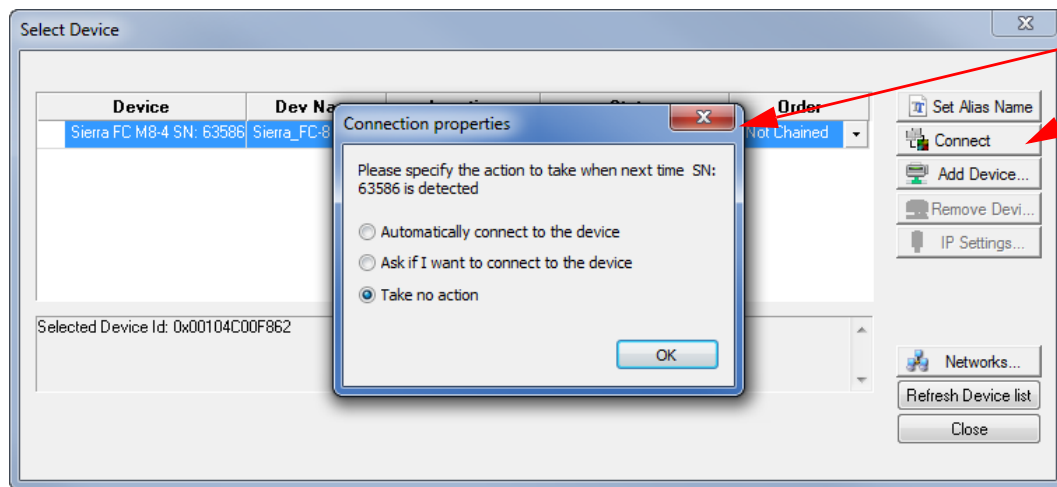


Figure 1.5: Select Device Window

2. Update the License Key for the system.
 - a. From the Help menu, click **Update License** to display the Select License Key File window (see [Figure 1.6](#)).
 - b. Select the License Key file and click **Open**.
The License Key is updated.

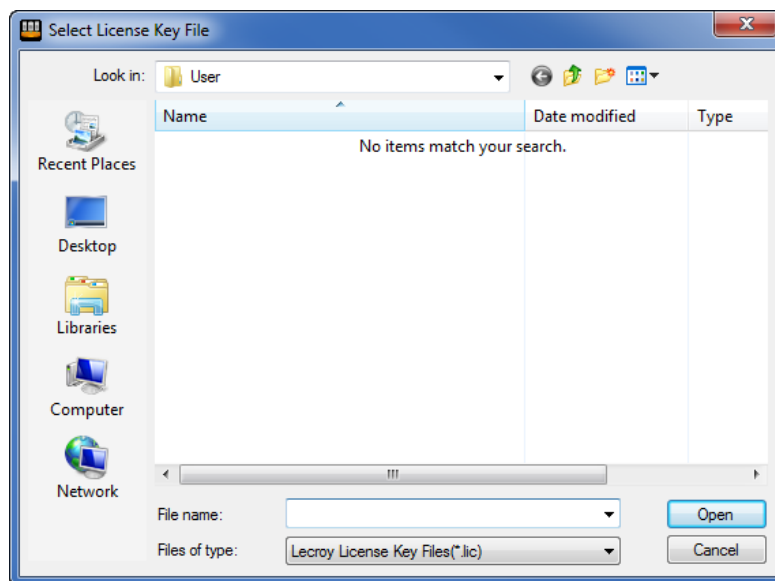


Figure 1.6: Select License Key File Window

Please see the *SierraFC Protocol Suite User Manual* on the installation CD-ROM for more information.

Net Protocol Suite

Perform the following steps to update the License:

1. Connect the Analyzer, for which you have purchased the feature upgrade license, to the host machine.
 - a. Connect the Analyzer to a 100-volt to 240-volt, 50 Hz to 60 Hz, 120 W power outlet.
 - b. Connect the USB port to a USB port on the host machine using a USB cable.

Note: You can also connect using an Ethernet connection.

- c. To start the software select **Start > All Programs > LeCroy > Net Protocol Suite**.
- d. Turn on the power switch. At power on, the Analyzer will go through initialization.
- e. Skip to step 2 to update the license via USB. If updating via Ethernet, follow steps f through k and then proceed to step 2.
- f. Select **Setup > Device Management**.

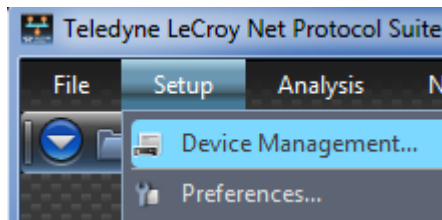


Figure 1.7: Setup Menu

- g. The Device Management window displays.

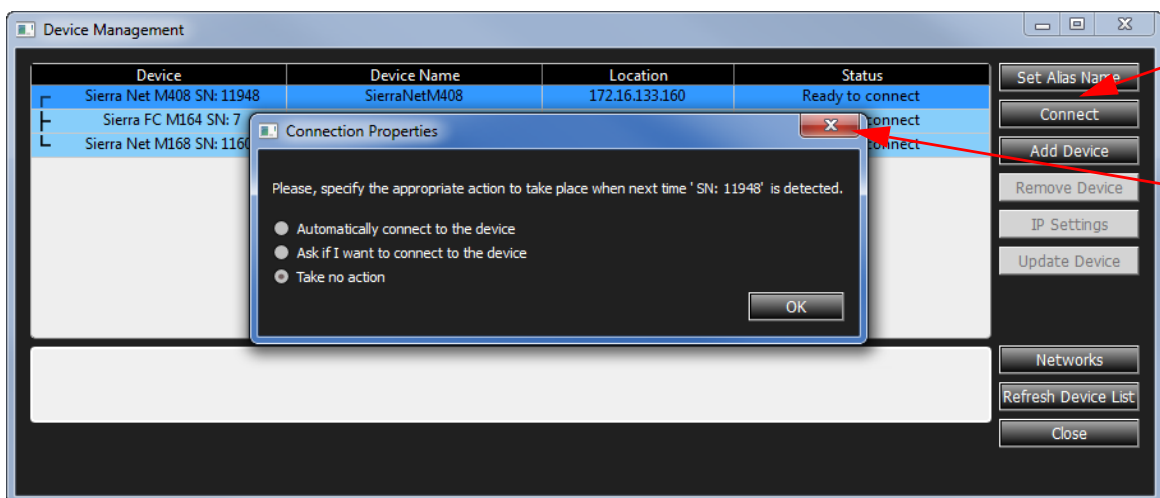


Figure 1.8: Device Management Window

- h. Select the device you want to upgrade and click **Connect** to display the Connection properties window.

- i. Specify one of the actions from the following:
 - Automatically connect to the device
 - Ask if I want to connect to the device
 - Take no action

If 'Automatically connect to the device' is selected, the next time the application opens the device will be automatically connected.
- j. Click **OK**.
- k. Click **Close** to close the Device Management window.
2. Update the License Key for the system.
 - a. From the **Help** menu, select **License Information** to display the License Information window (see [Figure 1.9 on page 9](#)).

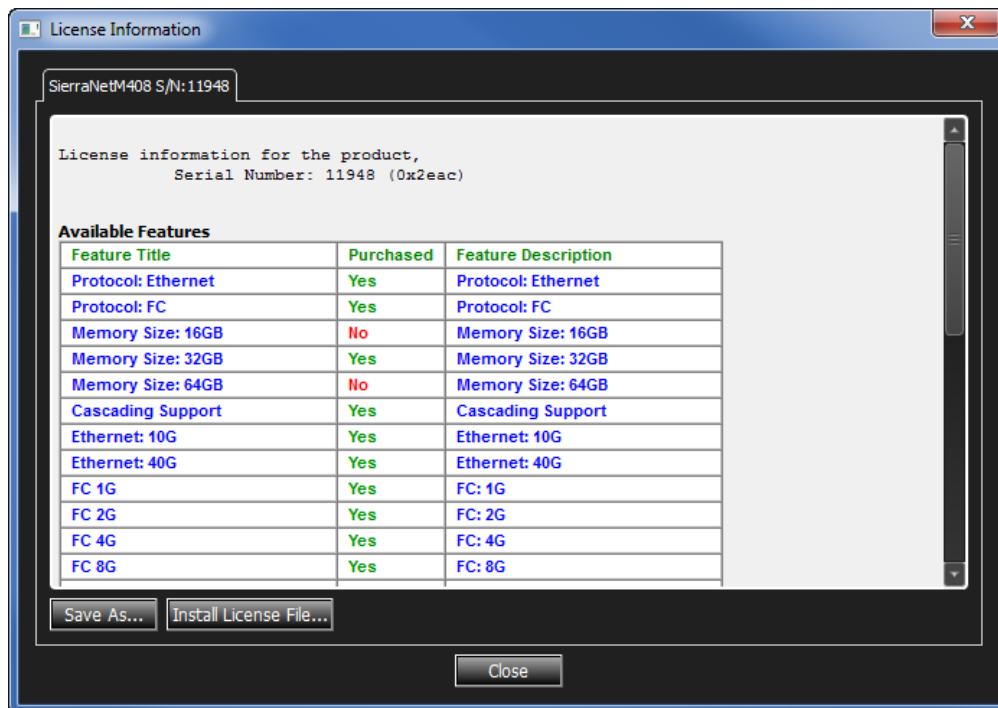


Figure 1.9: License Information Window

- b. Select **Install License File** to display the Open License window (see [Figure 1.10](#)).
 - c. Select the License Key file and click **Open**.
- It may take up to twenty seconds on some products to complete the update.

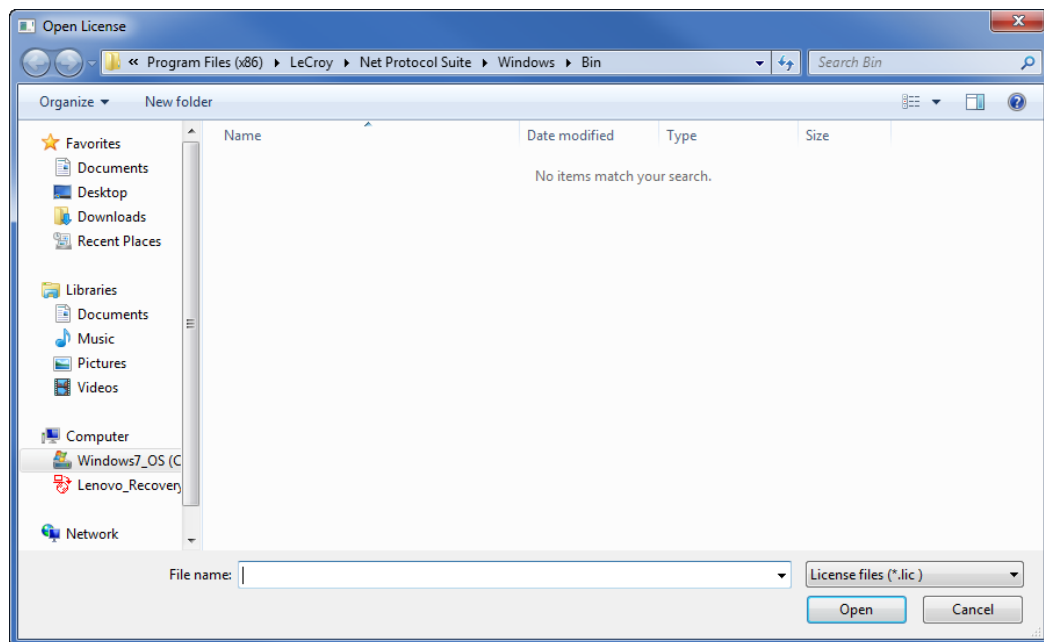


Figure 1.10: Open License Window

Please see the *Net Protocol Suite User Manual* on the installation CD-ROM for more information.

PETracer

The following two sections describe the license update procedure for PCI Express protocol Analyzer and Exerciser products.

Analyzers

Perform the following steps to update the License:

1. Connect the Analyzer, for which you have purchased the feature upgrade license, to the host machine.
 - a. Connect the Analyzer to a 100-volt to 240-volt, 50 Hz to 60 Hz, 120 W power outlet.
 - b. Connect the USB port to a USB port on the host machine using a USB cable.

Note: You can also connect using an Ethernet connection.

- c. To start the software select **Start > All Programs > LeCroy > PETracer**.
- d. Turn on the power switch. At power-on, the Analyzer initializes and performs a self-diagnosis.
- e. Skip to step 2 to update the license via USB. If updating via Ethernet, follow steps f through k and then proceed to step 2.
- f. Select **Setup > All Connected Devices...**

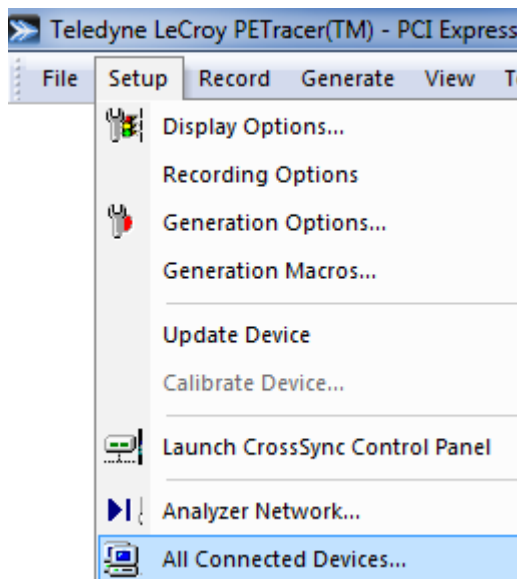


Figure 1.11: Setup Menu

- g. The Analyzer Devices window displays (see [Figure 1.12 on page 12](#)).
- h. Select the device you want to upgrade and click **Connect** to display the Connection properties window (see [Figure 1.12 on page 12](#)).

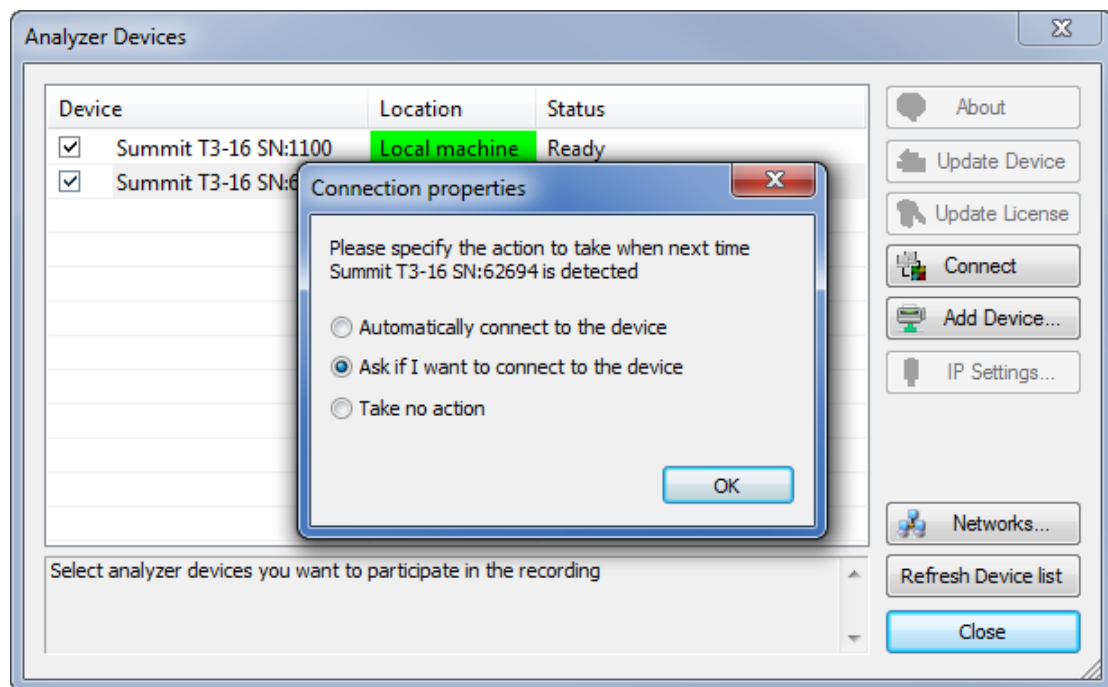


Figure 1.12: Analyzer Devices Window

i. Specify one of the options from the following:

- Automatically connect to the device
- Ask if I want to connect to the device
- Take no action

If 'Automatically connect to the device' is selected, the next time the application opens the device will be automatically connected.

j. Click **OK**.

k. Click **Close** to close the Analyzer Devices window.

2. Update the license key for the system.
 - a. From the Help menu, select **Display License Information** to display the License Information window.

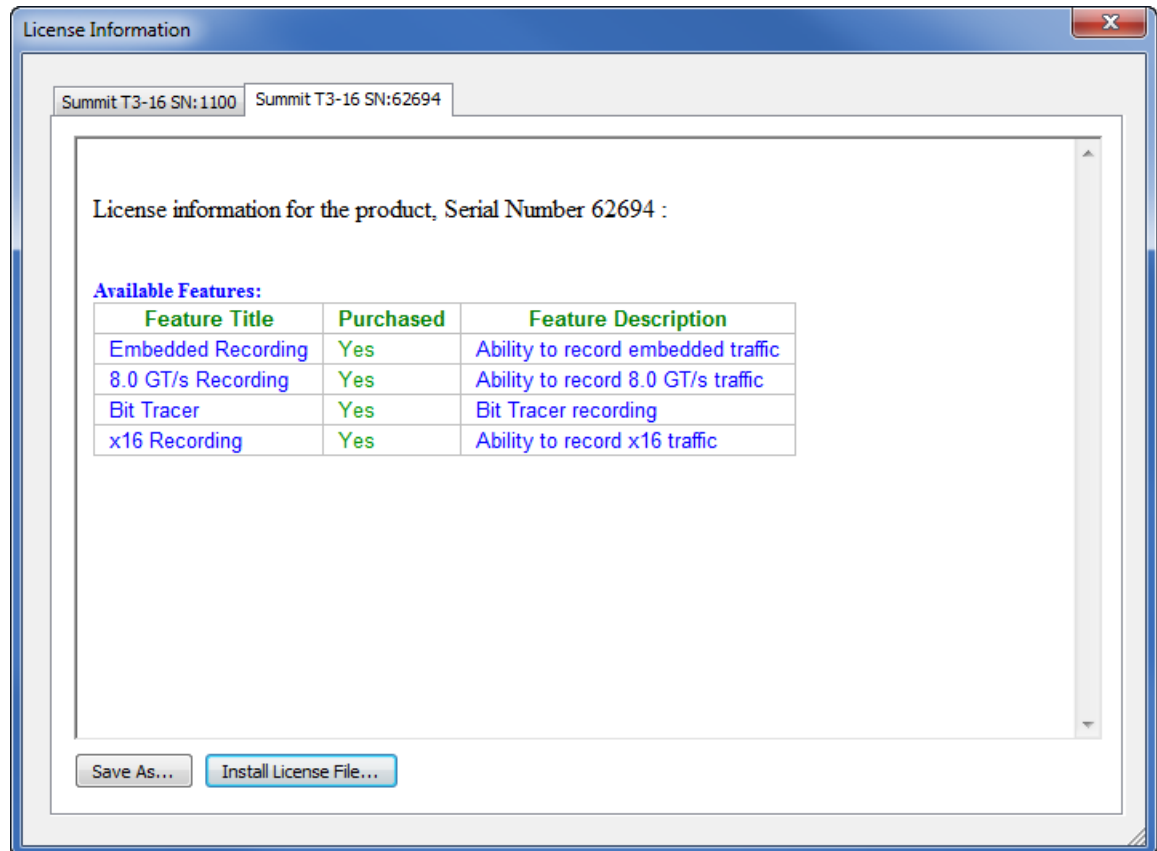


Figure 1.13: License Information Window

- b. Select **Install License File** to display the Select license Key File window (see [Figure 1.14 on page 14](#)).
 - c. Select the License Key file and click **Open**.
The License Key is updated.
It may take up to twenty seconds on some products to complete the update.

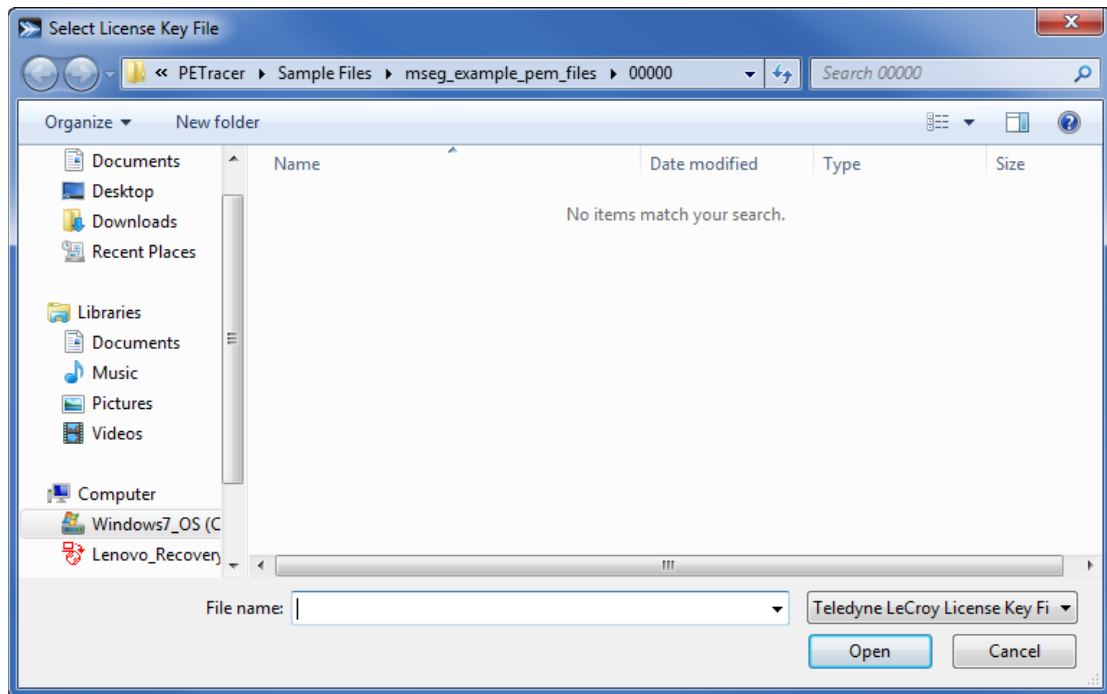


Figure 1.14: Select license Key File Window

Please see the Summit PCI Express Multi-Lane Protocol Analyzer *User Manual* on the installation CD-ROM for more information.

Exerciser

Perform the following steps to update the License:

1. Connect the Exerciser, for which you have purchased the feature upgrade license, to either the host machine or the PCI Express Test Platform.
 - a. Connect the Exerciser to a 100-volt to 240-volt, 50 Hz to 60 Hz, 120 W power outlet using the provided AC power adapter, or to the DC power connector if using the PCI Express Test Platform.
 - b. Connect the USB port to a USB port on the host machine using a USB cable.

Note: You can also connect using an Ethernet connection.

- c. To start the software select **Start > All Programs > LeCroy > PETracer**.
 - d. Turn on the power to the host machine or the PCI Express Test Platform 16x2.5GT/s / 16x5.0GT/s / 16x8.0GT/s.
At power-on, the Exerciser initializes itself in approximately five seconds and performs an exhaustive self-diagnostic that lasts about forty seconds.
2. Update the license key for the system by performing steps 2a through 2c on page 13.

Please see the *Summit PCI Express Multi-Lane Protocol Exerciser User Manual* on the installation CD-ROM for more information

SAS/SATA Protocol Suite

Perform the following steps to update the License:

1. Connect the Analyzer, for which you have purchased the feature upgrade license, to the host machine.
 - a. Connect the Analyzer to a 100-volt to 240-volt, 50 Hz to 60 Hz, 120 W power outlet.
 - OR
 - Connect the provided power adapter into the Analyzer, and then plug the power adapter into a 100V–240V, 50Hz–60Hz, power outlet (Sierra M6-1 only).
 - b. Connect the USB port to a USB port on the host machine using a USB cable.

Note: You can also connect using an Ethernet connection.

- c. To start the software select **Start > All Programs > LeCroy > SAS SATA Protocol Suite**.
- d. Turn on the power switch. At power on, the Analyzer will go through initialization.
- e. Skip to step 2 to update the license via USB. If updating via Ethernet, follow steps f through k and then proceed to step 2.
- f. Select **Setup > All Connected Devices** (see [Figure 1.15 on page 15](#)).

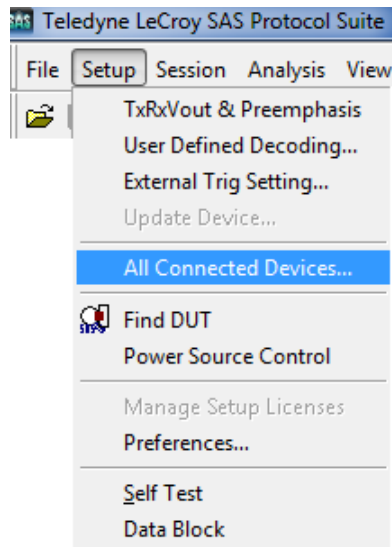


Figure 1.15: Setup Menu

- g. The Select Device window displays (see [Figure 1.16](#)).
- h. Select the device you want to upgrade and click **Connect** to display the Connection properties window (see [Figure 1.16](#)).
- i. Specify one of the actions from the following:
 - Automatically connect to the device
 - Ask if I want to connect to the device
 - Take no action

If 'Automatically connect to the device' is selected, the next time the application opens the device will be automatically connected.

- j. Click **OK**.
- k. Click **Close** to close the Select Device window.

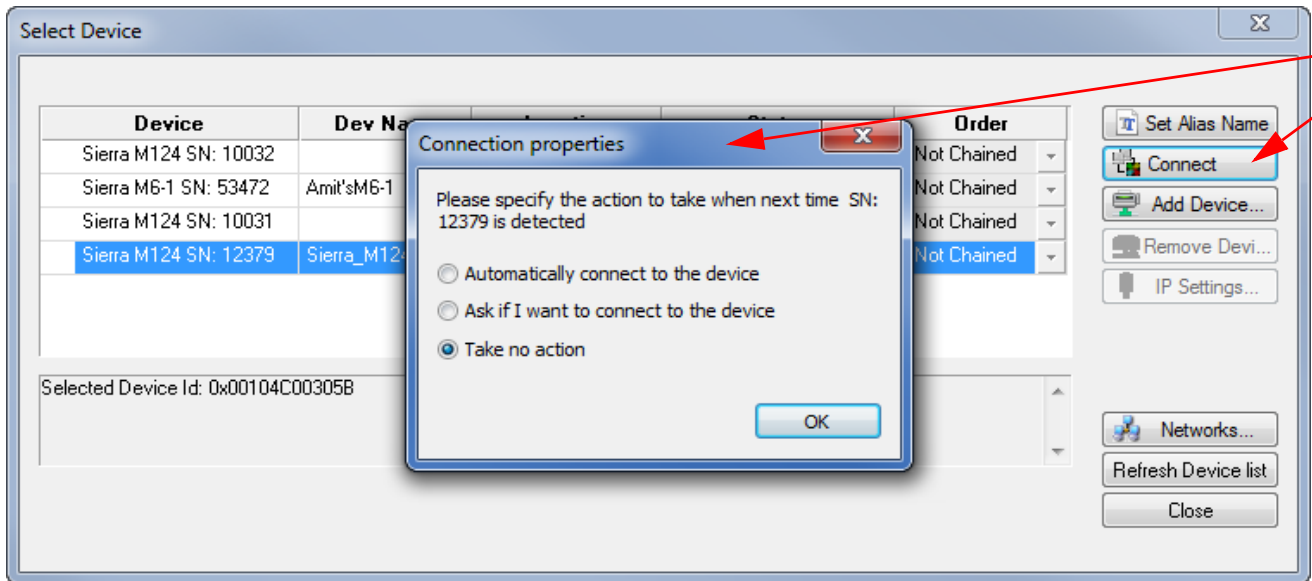


Figure 1.16: Select Device Window

2. Update the License Key for the system.
 - a. From the Help menu, click **Update License** to display the Select License Key File window (see [Figure 1.17](#)).
 - b. Select the License Key file and click **Open**.

The License Key is updated.

It may take up to twenty seconds on some products to complete the update.

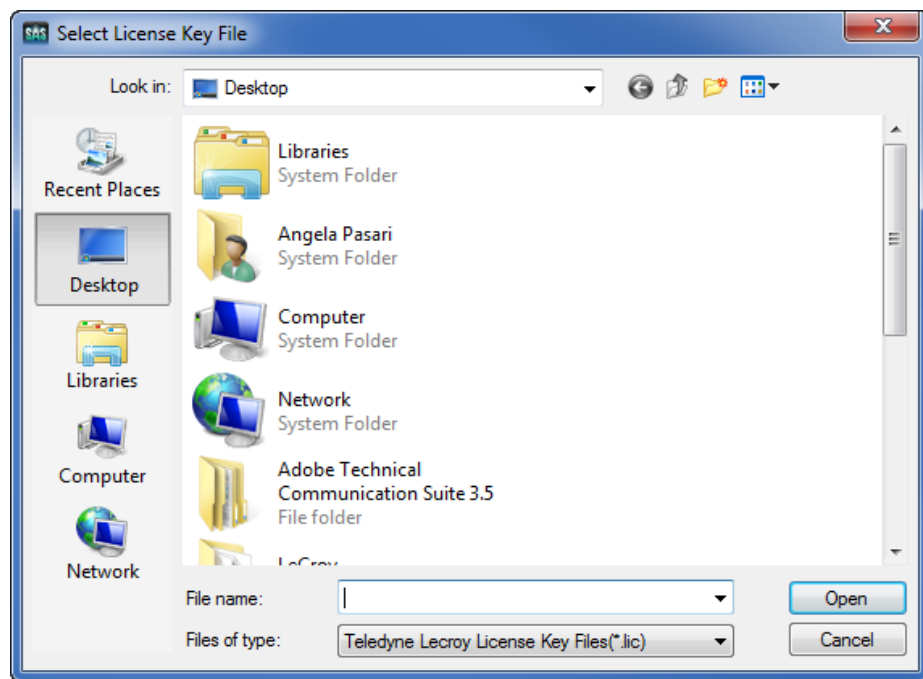


Figure 1.17: SAS Select License Key File window

Please see the *SAS/SATA Protocol Suite User Manual* on the installation CD-ROM for more information.

USB Protocol Suite

Perform the following steps to update the License:

1. Connect the Analyzer, for which you have purchased the feature upgrade license, to the host machine.
 - a. If the Analyzer came with a power adapter, connect the provided power adapter to the rear of the Analyzer, and then plug the power adapter into a 100-volt to 240-volt, 50-Hz to 60-Hz, 100-W power outlet.
 - b. Connect the USB port to a USB port on the host machine using a USB 2.0 cable.

Note: You can also connect using an Ethernet connection.

- c. To start the software select **Start > All Programs > LeCroy > USB Protocol Suite**.
- d. Turn on the power switch. At power on, the Analyzer will go through initialization.
- e. Skip to step 2 to update the license via USB. If updating via Ethernet, follow steps f through k and then proceed to step 2.
- f. Select **Setup>All Connected Devices**.

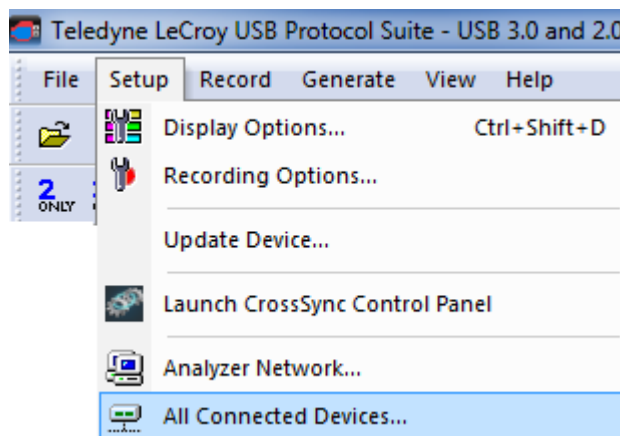


Figure 1.18: Setup Menu

- g. The Analyzer Devices window displays (see [Figure 1.19 on page 19](#)).
- h. Select the device you want to upgrade and click **Connect** to display the Connection properties window (see [Figure 1.19](#)).
- i. Specify one of the actions from the following:
 - Automatically connect to the device
 - Ask if I want to connect to the device
 - Take no action

If 'Automatically connect to the device' is selected, the next time the application opens the device will be automatically connected.

- j. Click **OK**.
- k. Click **Close** to close the Select Device window.

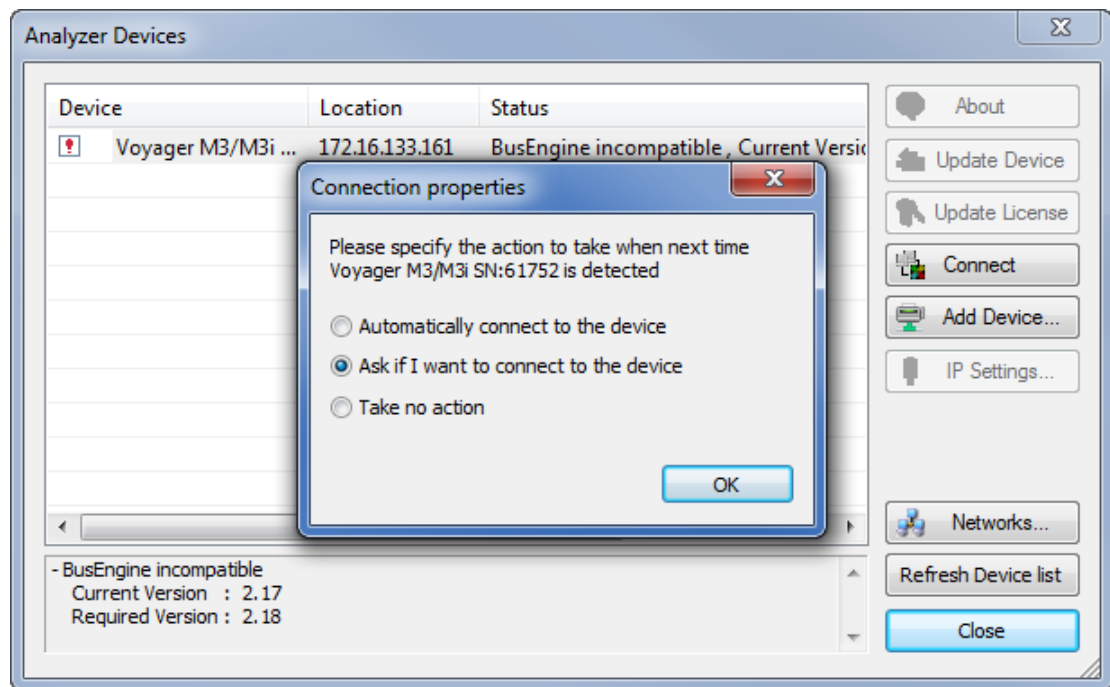


Figure 1.19: Analyzer Devices Window

2. Update the License Key for the system.
 - a. From the Help menu, select **Display License Information** to display the License Information window (see [Figure 1.20 on page 20](#)).

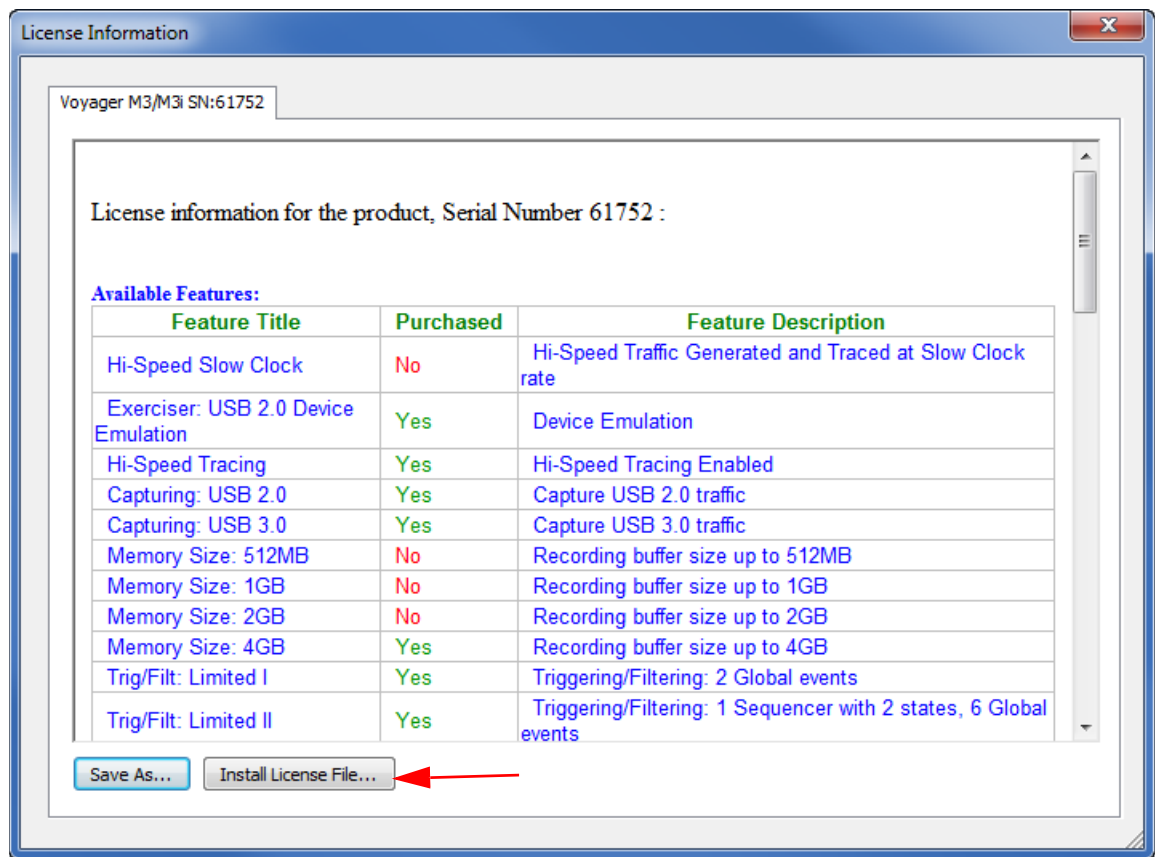


Figure 1.20: License Information Window

- b. Select **Install License File** to display the Select License Key File window (see [Figure 1.21 on page 21](#)).

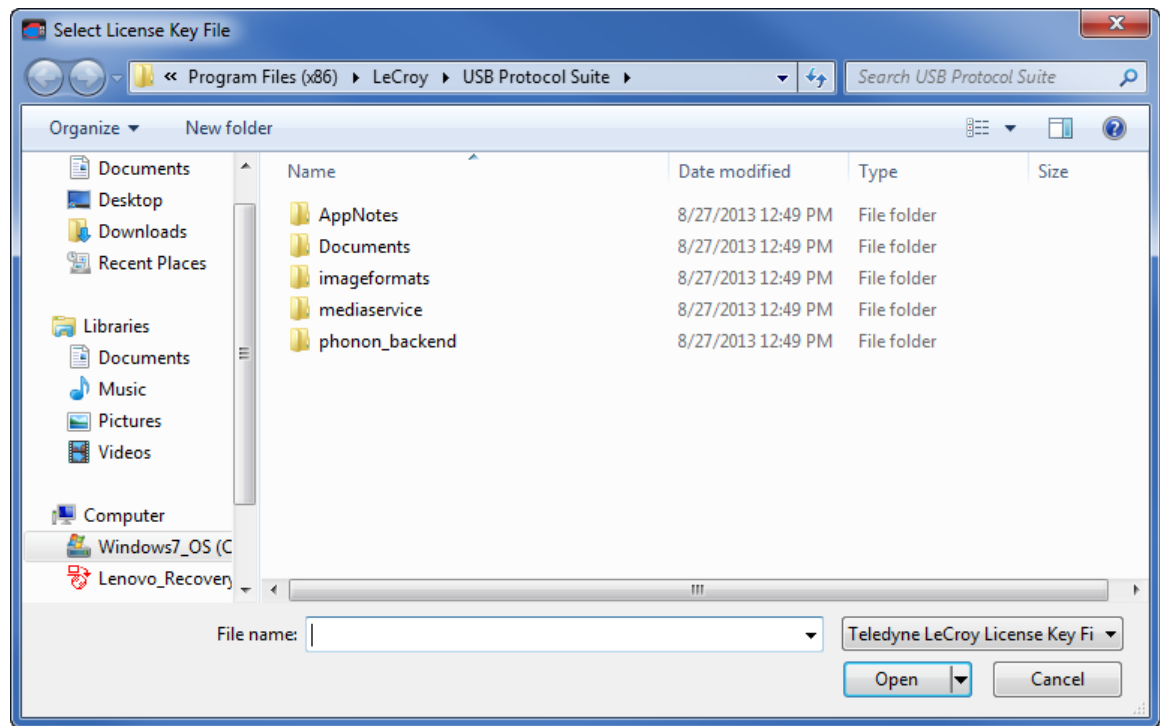


Figure 1.21: Select License Key File Window

- c. Select the License Key file and click **Open**.

The License Key is updated.

It may take up to twenty seconds on some products to complete the update.

Please see the *USB Protocol Suite User Manual* on the installation CD-ROM for more information.

Appendix A

How to Contact Teledyne LeCroy

Type of Service	Contact
Call for technical support...	US and Canada: 1 (800) 909-7112 Worldwide: 1 (408) 653-1260
Fax your questions...	Worldwide: 1 (408) 727-6622
Write a letter...	Teledyne LeCroy Protocol Solutions Group Customer Support 3385 Scott Blvd. Santa Clara, CA 95054-3115 USA
Send e-mail...	psgsupport@teledynelecroy.com
Visit Teledyne LeCroy's web site...	teledynelecroy.com/

